

I claim:

- Sub A1
1. A process for storing data, comprising
providing a back up server having storage for a plurality of data files,
providing a long term memory device having a plurality of data storage elements and a
processor for coordinating the operation of the plural data storage elements,
directing the processor to store data on the storage elements and for recording a time
signal representative of the time of recording data,
identifying a condition representative of each storage element having reached capacity,
and
directing the process to compare the time signals for each data storage element to store
data on the storage element having the earliest recorded data.
 2. A process according to claim 1, wherein the long term memory device includes a tape
library system having a plurality of drive elements.
 3. A process according to claim 2, wherein the tape library includes a robotic controller for
moving tapes in an out of a tape drive system.
 4. A process according to claim 1, wherein the long term memory device includes a raid
storage system.
 5. A process according to claim 1, wherein directing the processor to store data on the
storage elements includes directing the processor to store data on each storage element until each
storage element reaches capacity.
- add A2